

10/540864

Figure 1

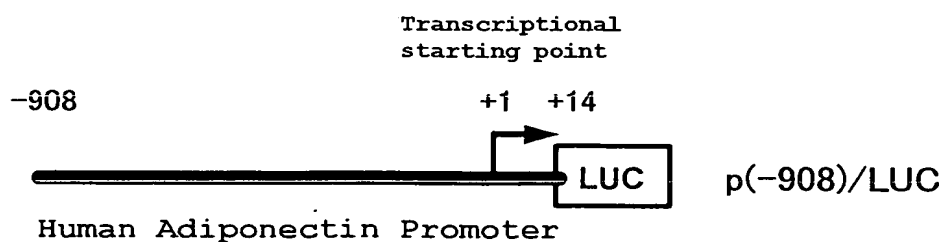
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GACCCCTCTGACAGTGCTCCCTTCTGAAGCACTCACTGTCTGAACGTACA -468
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ACCACTGAGCAATTAATTCATTTACATTAGGAAGTTTCTCCGTCAGATGC -318
AGGAAAAAATCTTGTTTTCTGCTGTGGTTTTTGACTTTTGCCCCATCTT -268
                                -285      -273
                                P P R E
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                                -237      -229
                                L R H - R E
TGCTTTGACTGAAGCTCCACTTGGCTTCCGAAGCCCAAGCTGGGTTGTAC -168
CAGGTTCCCTAGGGTGCAGGCTGTGGGCAACTGCCAGGGACATGTGCCTG -118
CCCACCGGCCTCTGGCCCTCACTGAGTTGGCCAATGGGAAATGACAATTG -68
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-1 +1

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Figure 2

Structure of Human Adiponectin Promoter/Reporter Plasmid



Deletion Constructs of Human Adiponectin Promoter

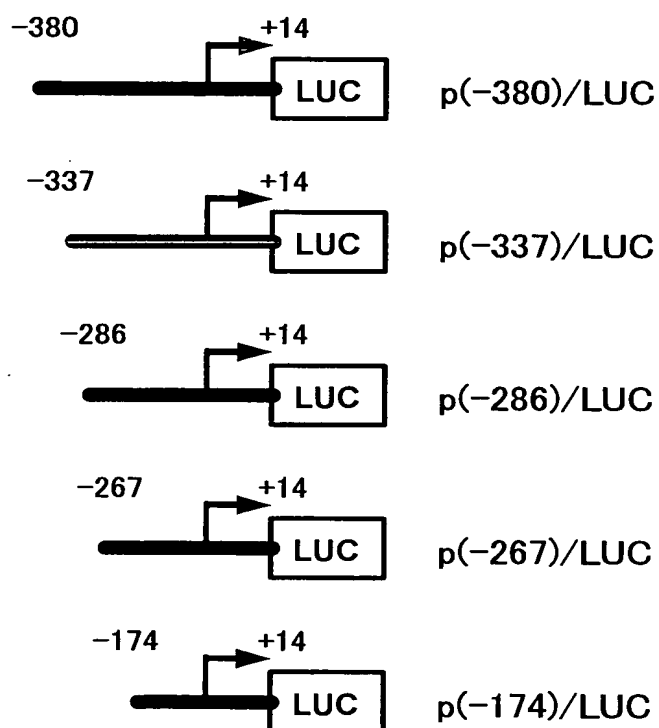


Figure 3

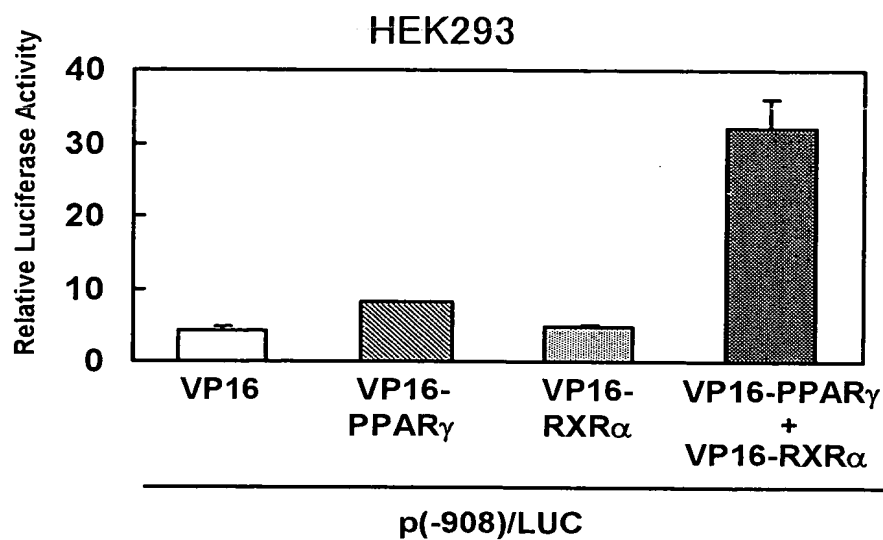


Figure 4

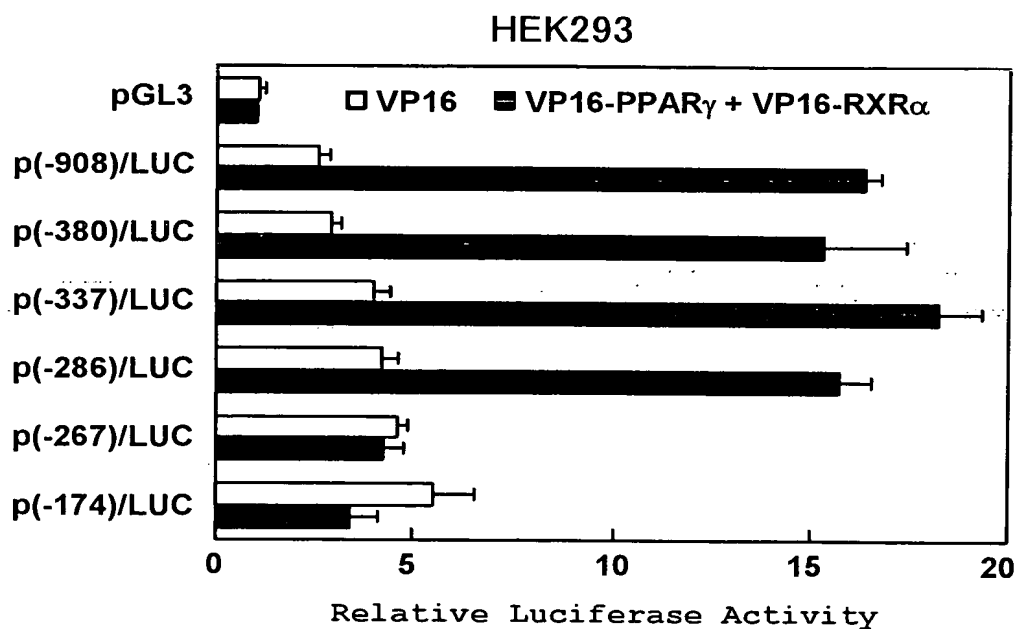


Figure 5

Gene	PPRE sequence
Human adiponectin	5'- GGGGCA A AAGTCA -3'
Mouse aP2	5'- GGGTGA A ATGTGC -3' 5'- GGATCA G AGTTCA -3'
Mouse c-Cbl binding protein	5'- AGGCTA A AGGTCA -3'
Mouse LXR α	5'- GGGGCA A AGTTCA -3'
Mouse aquaporin adipose	5'- AGGGGA G AGGTCA -3'

Figure 6

Human Adiponectin Promoter/Reporter

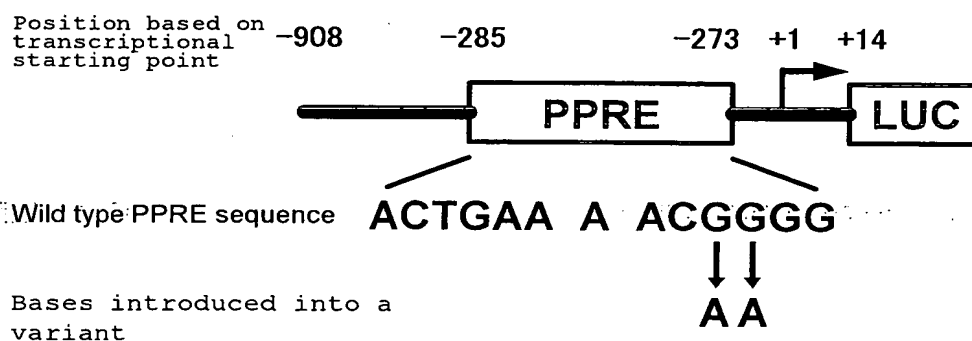


Figure 7
HEK293

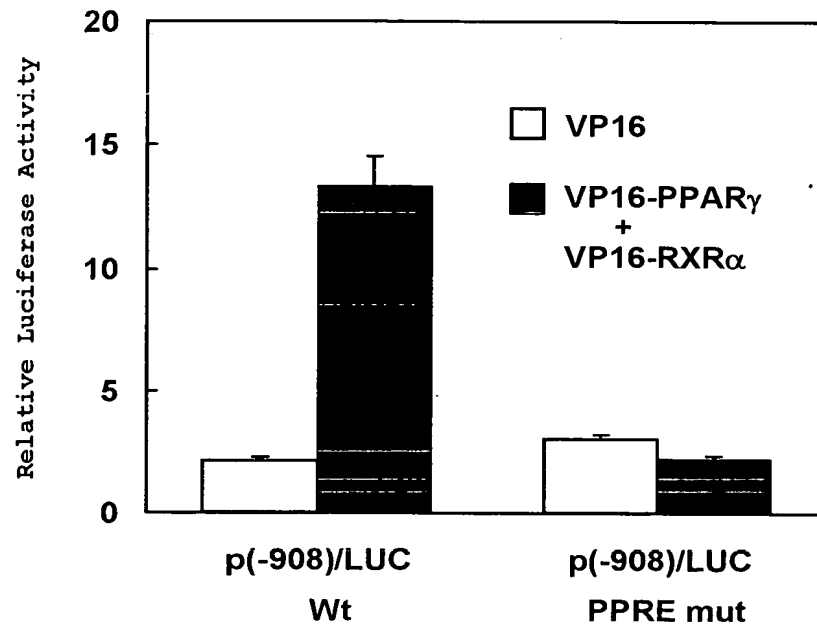


Figure 8

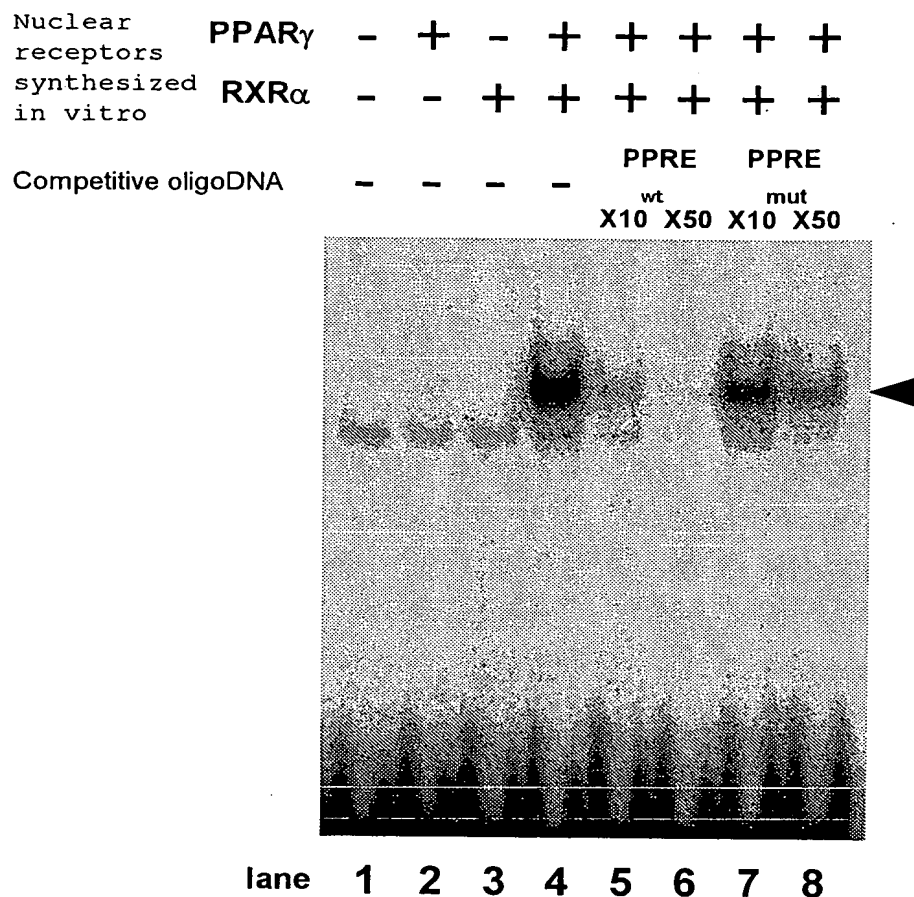


Figure 9

Gene	LRH-RE sequence
Human adiponectin	5'- TCAAGGCCT -3'
Rat CYP7A1	5'- TCAAGGCCG -3'
Human CYP7A1	5'- TCAAGGCCA -3'
Human CETP	5'- GCAAGGTCC -3'
Rat CYP8B1	5'- GCAAGGTCC -3' 5'- CCAAGGGCA -3'

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Figure 10

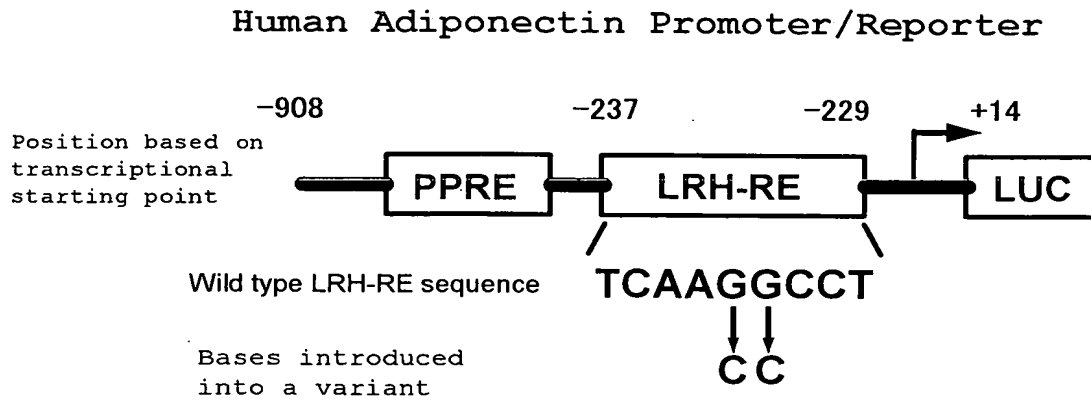
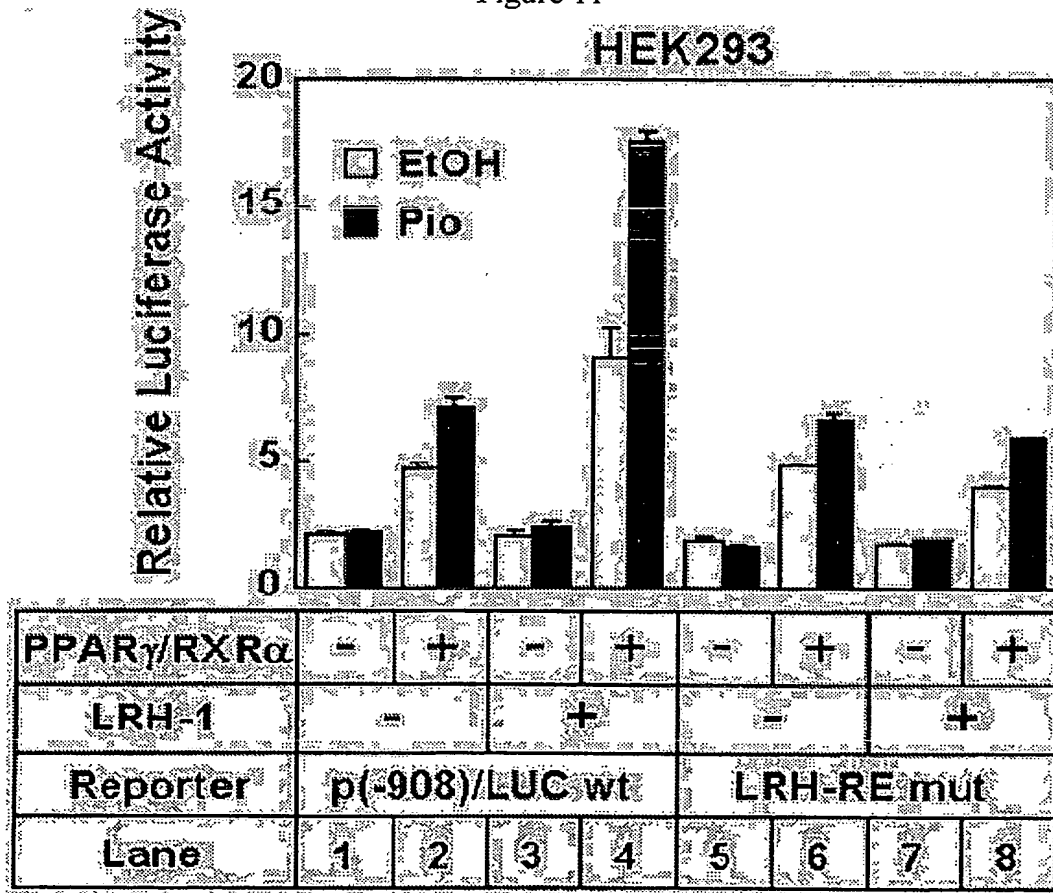


Figure 11



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Figure 12

Nuclear receptors synthesized in vitro	LRH-1	-	+	+	+	+	+
Competitive oligoDNA		-	-	LRH-RE wt		LRH-RE mut	
				X10	X50	X10	X50



lane 1 2 3 4 5 6

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Figure 13

